

SECTION 00847

RIPRAP

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Riprap materials and delivery.

1.2 REFERENCES

- A. AASHTO T 104: Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate.
- B. AASHTO T 96: Resistance to Degradation of Small Size Coarse Aggregate by Abrasion by Impact in the Los Angeles Machine.

1.3 SUBMITTALS

- A. Submit data from certified laboratory showing riprap source gradation, wear and soundness prior to initial delivery.
- B. For each shipment, supply bill of lading showing:
 - 1. Type and grade of material
 - 2. Destination
 - 3. Consignee's name
 - 4. Date of Shipment
 - 5. Truck identification
 - 6. Net weight in inch-pound units
 - 7. Bill of Lading number

PART 2 PRODUCTS

2.1 AGGREGATE

- A. Durable, angular, hard, stone that is free from seams, cracks, or other structural defects. Stone complies with the following:

Table 1

Riprap Wear	Not to exceed 40 percent	AASHTO T 96
Riprap loss (weight)	Not to exceed 16 percent	AASHTO T 104

Table 2

Nominal Size, inches	Size Range, Inches	
	Minimum	Maximum
48	30	54
36	24	48
24	16	36
12	8	18
8	6	12

PART 3 EXECUTION

3.1 DELIVERY

- A. Deliver to locations listed between 8 AM and 4 PM Monday through Thursday.
- B. Deliver to locations directed by DEPARTMENT using side or end dumps.
- C. Contact station supervisor at least 24 hours before delivery.

3.2 STOCKPILING

- A. Stockpile at locations designated by the Department.

END OF SECTION

Creation: August 29, 2003 based on 00847

Revised September 2, 2003 – Changed gradation to match 00847 max and min ranges.